

Abstract

Provided herein are methods for identifying a risk of cancer in a subject and/or a subject at risk of cancer, reagents and kits for carrying out the methods, methods for identifying candidate therapeutics for treating cancer, and therapeutic methods for treating cancer in a subject. These embodiments are based upon an analysis of polymorphic variations in a *KLF12* nucleic acid, which has a nucleotide sequence exemplified in SEQ ID NO: 1, 2 or 3.